

8. Gulf Island Pond
Dissolved Oxygen, Temperature, and Secchi Depth

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 1: June 16, 2004 - AM

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole		
	5:35			6:24			7:03			7:45			8:11		
	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)
0	7.1	79.5%	20.9	7.5	85.0%	21.5	8.1	91.2%	21.2	7.6	85.4%	21.1	7.8	88.0%	21.3
1	7.1	79.6%	21.0	7.4	84.0%	21.6	7.7	86.9%	21.3	7.7	86.5%	21.1	7.6	85.6%	21.2
2	6.9	77.5%	21.1	7.2	81.7%	21.6	7.9	88.8%	21.1	7.7	86.5%	21.1	7.6	85.6%	21.2
3	7.2	80.9%	21.1	7.2	81.6%	21.5	7.2	80.3%	20.7	7.5	84.3%	21.1	7.5	84.3%	21.1
4	7.3	82.0%	21.1	6.5	73.1%	21.1	6.9	76.6%	20.5	7.4	83.2%	21.1	7.3	81.9%	21.0
5	6.4	71.5%	20.8	6.8	76.1%	20.9	6.7	74.3%	20.4	7.2	80.1%	20.6	7.2	80.6%	20.9
6	6.2	69.1%	20.7	6.7	75.0%	20.9	6.6	73.2%	20.4	7.1	79.2%	20.7	7.1	79.2%	20.7
7	5.7	63.4%	20.6	6.3	70.3%	20.7	6.5	71.9%	20.3	7.2	80.0%	20.5	6.7	74.4%	20.5
8	6.2	69.0%	20.6	5.9	65.7%	20.6	6.6	72.9%	20.2	6.9	76.5%	20.4	6.7	74.3%	20.4
9	6.0	67.2%	20.9	6.3	70.0%	20.5	6.6	72.7%	20.1	6.6	72.7%	20.1	7.1	78.4%	20.2
10	6.4	71.1%	20.5	5.9	65.5%	20.5	6.2	68.2%	20.0	6.6	72.4%	19.9	7.1	78.1%	20.0
11	6.0	66.6%	20.5				5.9	64.5%	19.7	6.4	69.8%	19.6	6.7	73.4%	19.8
12							5.6	60.6%	19.2	6.4	69.8%	19.6	6.8	74.3%	19.7
13							5.2	53.4%	16.6	6.1	66.4%	19.5	6.8	74.3%	19.7
14							3.5	35.8%	16.4	6.2	67.2%	19.3	6.2	67.4%	19.4
15							4.0	39.5%	14.8	6.1	65.8%	19.0	6.2	67.1%	19.2
16							2.6	25.5%	14.5	6.0	64.3%	18.7	5.9	63.2%	18.7
17							1.7	16.6%	14.3	4.9	51.2%	17.5	5.2	54.7%	17.8
18													4.6	47.4%	16.8
19													4.4	44.7%	16.1
20													3.9	38.4%	14.7
21													3.0	29.1%	14.0
22													3.2	30.8%	13.6
23													2.4	23.1%	13.6
24													1.8	17.2%	13.4
25													1.3	12.4%	13.4

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 1: June 16, 2004 - PM

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 2: June 23, 2004 - AM

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole			Duplicate-GIP4		
	5:10			5:57			6:27			6:58			7:37					
	Depth (m)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.
0	7.3	82.0%	21.1	7.2	80.9%	21.1	7.7	87.2%	21.5	7.5	84.8%	21.4	7.4	84.1%	21.7	7.5	85.0%	21.5
1	7.2	81.4%	21.4	7.1	79.8%	21.1	7.7	87.4%	21.6	7.5	85.1%	21.6	7.3	83.0%	21.7	7.4	84.0%	21.6
2	7.1	80.3%	21.4	7.1	80.0%	21.2	7.7	87.4%	21.6	7.4	84.0%	21.6	7.2	81.7%	21.6	7.4	84.0%	21.6
3	7.1	80.3%	21.4	7.1	80.0%	21.2	7.6	86.3%	21.6	7.4	84.0%	21.6	7.2	81.7%	21.6	7.4	84.0%	21.6
4	7.1	80.3%	21.4	7.1	80.0%	21.2	7.6	86.3%	21.6	7.4	84.0%	21.6	7.2	81.7%	21.6	7.3	82.8%	21.6
5	7.1	80.3%	21.4	7.0	78.8%	21.2	7.6	86.3%	21.6	7.4	84.0%	21.6	7.2	81.7%	21.6	7.3	82.8%	21.6
6	7.1	80.3%	21.4	7.0	78.8%	21.2	7.6	86.3%	21.6	7.3	82.8%	21.6	7.2	81.7%	21.6	7.3	82.8%	21.6
7	7.1	80.3%	21.4	7.0	78.8%	21.2	7.6	86.3%	21.6	7.4	84.0%	21.6	7.1	80.6%	21.6	7.3	82.8%	21.6
8	7.1	80.3%	21.4	6.9	77.7%	21.2	7.6	86.3%	21.6	7.3	82.8%	21.6	6.9	78.3%	21.6	7.3	82.8%	21.6
9	7.1	80.3%	21.4	6.9	77.7%	21.2	7.4	83.8%	21.5	7.0	79.4%	21.6	6.7	75.9%	21.5	7.1	80.6%	21.6
10	7.1	80.3%	21.4	6.8	76.6%	21.2	7.3	82.7%	21.5	6.7	75.9%	21.5	6.7	75.9%	21.5	6.7	75.9%	21.5
11	7.1	80.1%	21.3				6.5	73.5%	21.4	6.4	72.5%	21.5	6.6	74.6%	21.4	6.4	72.4%	21.4
12	7.0	78.8%	21.2				5.5	62.1%	21.3	6.2	70.0%	21.3	6.3	71.2%	21.4	6.1	68.8%	21.3
13							2.9	31.8%	19.8	6.0	67.7%	21.3	6.2	70.0%	21.3	5.9	66.6%	21.3
14							1.8	18.5%	16.6	5.5	61.8%	21.1	6.0	67.6%	21.2	5.5	61.8%	21.1
15							1.2	11.9%	14.9	5.1	57.2%	21.0	5.9	66.3%	21.1	5.2	58.3%	21.0
16							0.0	0.0%	14.3	5.1	57.0%	20.8	5.0	55.6%	20.6	5.3	59.2%	20.8
17										5.0	55.9%	20.8	4.5	49.8%	20.3	4.2	46.4%	20.2
18													3.8	41.7%	19.9			
19													3.0	32.2%	18.8			
20													2.1	21.0%	15.4			
21													1.6	15.6%	14.1			
22													1.1	10.6%	13.7			
23													0.1	1.0%	13.4			
24													0.0	0.0%	13.2			
25													0.0	0.0%	13.2			
													0.0	0.0%	13.1			

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 2: June 23, 2004 - PM

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole			
	17:20			16:05			15:15			14:20			13:02			
	Depth (m)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)
0	8.7	101.8%	23.2	8.8	102.2%	22.8	9.4	109.8%	23.1	7.8	90.2%	22.6	7.7	89.3%	22.7	
1	8.4	97.4%	22.7	8.6	99.7%	22.7	9.2	106.8%	22.8	7.7	88.9%	22.5	7.6	87.6%	22.4	
2	8.3	96.0%	22.6	8.5	98.1%	22.5	8.9	103.0%	22.6	7.6	87.3%	22.2	7.5	86.1%	22.2	
3	7.8	89.2%	22.0	8.1	92.6%	22.0	8.2	93.6%	21.9	7.5	85.6%	21.9	7.5	86.1%	22.2	
4	7.5	85.3%	21.7	8.0	91.1%	21.8	7.9	89.8%	21.7	7.4	84.3%	21.8	7.5	85.9%	22.1	
5	7.5	85.1%	21.6	7.9	89.7%	21.6	8.0	90.8%	21.6	7.3	83.0%	21.7	7.4	84.8%	22.1	
6	7.5	85.1%	21.6	7.9	89.7%	21.6	8.1	91.9%	21.6	7.3	83.0%	21.7	7.3	83.5%	22.0	
7	7.4	83.8%	21.5	7.8	88.3%	21.5	7.4	83.8%	21.5	7.3	83.0%	21.7	7.1	80.7%	21.7	
8	7.4	83.8%	21.5	7.6	85.9%	21.4	7.2	81.6%	21.5	7.1	80.6%	21.6	7.0	79.6%	21.7	
9	7.1	80.1%	21.3	7.4	83.3%	21.2	7.0	79.3%	21.5	7.0	79.4%	21.6	7.0	79.6%	21.7	
10	7.1	80.1%	21.3				6.8	76.9%	21.4	6.9	78.3%	21.6	6.9	78.3%	21.6	
11	7.0	79.0%	21.3				6.6	74.5%	21.3	6.9	78.2%	21.5	6.7	75.9%	21.5	
12							6.0	67.6%	21.2	6.8	77.0%	21.5	6.3	71.2%	21.4	
13							3.2	34.6%	19.1	6.4	72.4%	21.4	6.2	70.1%	21.4	
14							1.6	16.3%	16.4	6.2	70.0%	21.3	6.1	68.8%	21.3	
15							0.8	7.9%	14.8	4.7	52.3%	20.6	6.1	68.8%	21.3	
16							0.0	0.0%	14.3	4.6	51.0%	20.4	5.7	64.1%	21.1	
17								3.3	36.2%	19.9	4.7	52.2%	20.5			
18										4.5	49.7%	20.2				
19										2.7	28.5%	18.0				
20										2.0	19.8%	15.0				
21										1.5	14.6%	14.2				
22										1.8	17.4%	13.9				
23										0.8	7.7%	13.6				
24										0.0	0.0%	13.3				
25										0.0	0.0%	13.2				
26										0.0	0.0%	13.1				

Gulf Island Pond
Dissolved Oxygen and Temperature Profiles
Summer 2004

Week 3: June 30, 2004 AM

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole		
	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)
Depth (m)															
0	7.6	85.1%	20.9	8.4	94.4%	21.1	7.0	79.9%	21.9	6.9	78.5%	21.7	6.8	77.8%	22.0
1	7.5	84.1%	21.0	8.3	93.5%	21.2	7.0	79.9%	21.9	6.8	77.0%	21.5	6.6	74.8%	21.5
2	7.5	84.1%	21.0	8.3	93.5%	21.2	6.9	78.8%	21.9	6.7	75.7%	21.4	6.6	74.5%	21.3
3	7.4	83.0%	21.0	8.4	94.4%	21.1	6.9	78.8%	21.9	6.7	75.6%	21.3	6.3	70.9%	21.2
4	7.2	80.6%	20.9	7.9	88.6%	21.0	6.9	78.8%	21.9	6.6	74.5%	21.3	6.2	69.7%	21.1
5	6.8	75.7%	20.6	7.5	83.8%	20.8	7.6	86.3%	21.6	6.6	74.5%	21.3	6.3	70.8%	21.1
6	6.7	74.4%	20.5	7.0	77.9%	20.6	7.8	88.0%	21.3	6.5	73.2%	21.2	6.5	73.1%	21.1
7	6.6	73.2%	20.4	7.0	77.8%	20.5	7.8	87.8%	21.2	6.7	75.4%	21.2	6.6	74.0%	21.0
8	6.6	73.2%	20.4	6.6	73.2%	20.4	7.4	82.8%	20.9	6.4	71.8%	21.0	6.6	73.9%	20.9
9	6.6	73.0%	20.3	6.4	70.8%	20.3	7.2	80.4%	20.8	6.1	68.4%	21.0	6.6	73.9%	20.9
10	6.5	71.9%	20.3				7.1	79.3%	20.8	5.8	64.9%	20.9	6.6	73.9%	20.9
11	6.4	70.7%	20.2				7.1	79.3%	20.8	5.8	64.8%	20.8	6.7	75.0%	20.9
12	6.4	70.7%	20.2				6.9	77.1%	20.8	6.4	71.4%	20.7	5.9	65.9%	20.8
13							6.4	71.2%	20.6	6.5	72.5%	20.7	5.9	65.9%	20.8
14							6.2	68.6%	20.3	6.6	73.6%	20.7	5.9	65.9%	20.8
15							0.0	0.0%	15.4	6.7	74.7%	20.7	6.2	69.1%	20.7
16							0.0	0.0%	14.2	6.4	71.4%	20.7	6.1	68.0%	20.7
17							0.0	0.0%	13.9	5.6	62.3%	20.6	6.0	66.9%	20.7
18													5.7	63.6%	20.7
19													4.8	53.2%	20.4
20													0.2	2.0%	15.7
21													0.1	1.0%	14.2
22													0.0	0.0%	13.8
23													0.0	0.0%	13.4
24													0.0	0.0%	13.1
25													0.0	0.0%	13.0
26													0.0	0.0%	12.9

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 3: June 30, 2004 PM

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole		
	Depth (m)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.
0	9.2	107.9%	23.3	10.0	118.1%	23.7	7.8	91.6%	23.4	7.7	90.6%	23.5	7.4	86.6%	23.2
1	8.9	103.4%	22.8	9.8	115.1%	23.4	7.5	86.1%	22.2	7.5	87.8%	23.2	7.3	85.1%	23.0
2	7.6	85.6%	21.2	9.3	108.0%	22.8	7.5	85.6%	21.9	7.2	83.1%	22.5	7.3	84.8%	22.8
3	7.4	83.0%	21.0	8.8	101.0%	22.2	7.8	88.7%	21.7	6.8	77.0%	21.5	7.2	83.5%	22.7
4	7.3	81.7%	20.9	8.7	99.3%	21.9	8.0	90.6%	21.5	6.8	76.9%	21.4	6.6	74.8%	21.5
5	7.2	80.6%	20.9	8.3	94.0%	21.5	8.0	90.4%	21.4	6.8	76.7%	21.3	6.4	72.2%	21.3
6	7.1	79.3%	20.8	7.9	88.8%	21.1	8.1	91.2%	21.2	6.9	77.7%	21.2	6.1	68.6%	21.1
7	7.0	78.1%	20.7	7.7	86.4%	21.0	8.0	89.7%	21.0	6.6	74.2%	21.1	5.9	66.3%	21.1
8	6.9	76.8%	20.6	7.5	83.8%	20.8	8.0	89.6%	20.9	6.8	76.4%	21.1	6.7	75.2%	21.0
9	6.4	70.8%	20.3	6.9	76.8%	20.6	7.9	88.3%	20.8	7.0	78.5%	21.0	6.7	75.2%	21.0
10	6.5	71.9%	20.3				7.6	84.9%	20.8	7.0	78.5%	21.0	6.5	72.8%	20.9
11	6.2	68.5%	20.2				7.5	83.8%	20.8	7.0	78.5%	21.0	6.7	75.0%	20.9
12							7.2	80.3%	20.7	6.5	72.8%	20.9	6.5	72.8%	20.9
13							7.1	79.2%	20.7	6.4	71.5%	20.8	6.0	67.0%	20.8
14							6.1	67.5%	20.3	6.6	73.7%	20.8	6.1	68.2%	20.8
15							0.0	0.0%	15.5	6.5	72.5%	20.7	5.7	63.6%	20.7
16							0.0	0.0%	14.3	6.3	70.3%	20.7	5.7	63.6%	20.7
17										4.9	54.4%	20.5	5.6	62.3%	20.6
18													4.7	52.0%	20.3
19													0.3	3.0%	16.0
20													0.1	1.0%	14.2
21													0.0	0.0%	13.7
22													0.0	0.0%	13.4
23													0.0	0.0%	13.2
24													0.0	0.0%	13.0
25													0.0	0.0%	13.0

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 4: July 7, 2004 AM

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole			Lower Narrows Duplicate		
	5:05			6:00			6:26			7:04			7:26					
Depth (m)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)
0	6.3	73.0%	22.7	6.5	75.3%	22.7	7.3	84.5%	22.6	7.0	80.8%	22.5	7.1	82.3%	22.7	7.3	84.5%	22.6
1	6.3	73.2%	22.8	6.4	74.2%	22.7	7.2	83.5%	22.7	6.9	79.7%	22.5	7.1	82.5%	22.8	7.2	83.3%	22.6
2	6.2	72.0%	22.8	6.4	74.3%	22.8	7.2	83.5%	22.7	6.9	79.8%	22.6	7.1	82.5%	22.8	7.1	82.3%	22.7
3	6.2	72.0%	22.8	6.4	74.3%	22.8	6.9	80.0%	22.7	6.9	79.8%	22.6	7.0	81.3%	22.8	6.9	79.8%	22.6
4	6.2	72.0%	22.8	6.4	74.3%	22.8	6.8	78.7%	22.6	6.9	79.8%	22.6	7.0	81.3%	22.8	6.8	78.7%	22.6
5	6.2	72.0%	22.8	6.4	74.5%	22.9	6.8	78.7%	22.6	6.9	79.8%	22.6	7.0	81.3%	22.8	6.8	78.7%	22.6
6	6.2	72.0%	22.8	6.4	74.5%	22.9	6.7	77.5%	22.6	6.9	79.8%	22.6	7.0	81.3%	22.8	6.8	78.7%	22.6
7	6.1	70.8%	22.8	6.4	74.5%	22.9	6.5	74.9%	22.4	6.9	79.8%	22.6	7.0	81.3%	22.8	6.6	76.2%	22.5
8	6.0	69.5%	22.7	6.4	74.5%	22.9	6.0	68.9%	22.2	6.9	79.8%	22.6	7.0	81.3%	22.8	6.0	68.9%	22.2
9	5.6	64.8%	22.6	6.3	73.3%	22.9	5.8	66.3%	22.0	6.9	79.8%	22.6	6.9	80.1%	22.8	5.8	66.3%	22.0
10	5.0	57.4%	22.2				5.8	66.1%	21.8	6.9	79.8%	22.6	6.9	80.0%	22.7	5.8	66.1%	21.8
11	4.8	55.0%	22.1				4.8	54.3%	21.4	6.6	76.2%	22.5	6.6	75.9%	22.3	4.8	54.3%	21.4
12							4.6	51.9%	21.3	5.9	67.3%	21.9	6.3	72.3%	22.2	4.6	51.9%	21.3
13							4.0	44.9%	21.0	5.5	62.5%	21.7	6.1	69.6%	21.9	3.8	42.6%	21.0
14							2.9	32.1%	20.4	4.9	55.4%	21.4	5.1	57.5%	21.3	3.0	33.3%	20.4
15							0.0	0.0%	17.7	4.8	54.1%	21.2	5.1	57.5%	21.3	0.0	0.0%	17.6
16							0.0	0.0%	14.6	4.0	44.8%	20.9	4.7	52.8%	21.1	0.0	0.0%	14.5
17							0.0	0.0%	14.0				4.3	48.1%	20.9	0.0	0.0%	13.9
18										3.4	37.9%	20.7						
19										2.0	22.1%	20.2						
20										0.0	0.0%	17.0						
21										0.0	0.0%	14.3						
22										0.0	0.0%	13.8						
23										0.0	0.0%	13.3						
24										0.0	0.0%	13.0						
25										0.0	0.0%	12.9						

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 4: July 7, 2004 PM

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole		
	15:30			14:47			14:06			13:30			13:00		
	Depth (m)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.
0	7.9	98.4%	26.6	8.3	104.3%	27.1	8.1	101.3%	26.8	7.2	86.5%	24.6	7.5	91.8%	25.6
1	7.4	87.7%	23.9	8.3	99.5%	24.5	8.1	96.9%	24.4	7.4	87.4%	23.7	7.9	94.4%	24.3
2	7.2	84.6%	23.4	7.9	93.8%	24.0	7.4	86.6%	23.2	7.0	81.6%	23.0	7.1	83.1%	23.2
3	7.0	81.8%	23.1	7.3	85.7%	23.4	7.2	83.9%	23.0	7.0	81.4%	22.9	7.0	81.6%	23.0
4	6.8	79.1%	22.9	7.2	84.3%	23.2	7.1	82.6%	22.9	7.0	81.4%	22.9	7.0	81.4%	22.9
5	6.6	76.6%	22.8	7.2	84.3%	23.2	7.0	81.3%	22.8	7.0	81.4%	22.9	7.0	81.4%	22.9
6	6.6	76.5%	22.7	7.0	81.8%	23.1	7.0	81.3%	22.8	7.0	81.3%	22.8	7.0	81.4%	22.9
7	6.5	75.3%	22.7	6.9	80.4%	23.0	6.8	78.8%	22.7	6.9	80.1%	22.8	7.0	81.3%	22.8
8	6.5	75.2%	22.6	6.8	79.1%	22.9	6.7	77.5%	22.6	6.9	80.1%	22.8	7.0	81.3%	22.8
9	6.5	75.2%	22.6	6.7	78.0%	22.9	6.4	73.9%	22.5	6.9	80.0%	22.7	7.0	81.3%	22.8
10	6.3	72.9%	22.6				5.9	67.6%	22.1	6.9	80.0%	22.7	6.9	80.0%	22.7
11	4.3	49.1%	21.9				5.3	60.3%	21.7	6.0	68.6%	22.0	6.7	77.5%	22.6
12	1.1	12.3%	20.8				5.0	56.7%	21.6	5.9	67.3%	21.9	6.4	73.5%	22.2
13							3.6	40.3%	20.9	5.7	65.1%	21.9	6.0	68.6%	22.0
14							3.1	34.4%	20.5	5.4	61.5%	21.8	5.3	60.1%	21.6
15							0.0	0.0%	17.5	4.8	54.2%	21.3	4.8	54.1%	21.2
16							0.0	0.0%	14.5	4.1	46.0%	21.0	4.4	49.4%	21.0
17							0.0	0.0%	14.0	3.8	42.5%	20.8	3.9	43.7%	20.9
18													3.3	36.8%	20.7
19													2.1	23.2%	20.3
20													0.0	0.0%	17.0
21													0.0	0.0%	14.3
22													0.0	0.0%	13.9
23													0.0	0.0%	13.4
24													0.0	0.0%	13.1
25													0.0	0.0%	13.0

Gulf Island Pond
Dissolved Oxygen and Temperature Profiles
Summer 2004

Week 5: July 14, 2004 AM

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole			(Upper Narrows)		
	5:10			5:51			6:23			6:49			7:08			6:00		
	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)
0	7.5	85.9%	22.1	7.4	85.1%	22.3	7.6	88.6%	23.0	7.5	87.6%	23.1	7.6	88.4%	22.9	7.4	85.4%	22.5
1	7.3	83.8%	22.2	7.3	84.1%	22.4	7.6	88.8%	23.1	7.4	86.4%	23.1	7.5	87.4%	23.0	7.3	84.3%	22.5
2	7.3	83.8%	22.2	7.3	84.1%	22.4	7.5	87.6%	23.1	7.4	86.6%	23.2	7.5	87.4%	23.0	7.3	84.3%	22.5
3	7.3	83.6%	22.1	7.3	84.3%	22.5	7.4	86.4%	23.1	7.4	86.6%	23.2	7.5	87.4%	23.0	7.3	84.3%	22.5
4	7.3	83.6%	22.1	7.3	84.3%	22.5	7.3	85.3%	23.1	7.4	86.6%	23.2	7.5	87.4%	23.0	7.3	84.3%	22.5
5	7.3	83.8%	22.2	7.3	84.3%	22.5	7.3	85.3%	23.1	7.1	82.9%	23.1	7.4	86.3%	23.0	7.3	84.3%	22.5
6	7.3	83.8%	22.2	7.3	84.3%	22.5	7.2	83.9%	23.0	6.7	78.1%	23.0	7.2	83.9%	23.0	7.2	83.1%	22.5
7	7.3	83.6%	22.1	7.2	83.1%	22.5	7.0	81.6%	23.0	6.2	71.9%	22.7	7.0	81.4%	22.9	7.2	83.1%	22.5
8	7.3	83.6%	22.1	7.2	83.1%	22.5	6.9	80.3%	22.9	6.0	69.5%	22.7	6.7	77.8%	22.8	7.1	82.0%	22.5
9	7.3	83.6%	22.1	7.1	82.0%	22.5	6.5	75.5%	22.8	6.0	69.4%	22.6	6.4	74.2%	22.7	7.1	82.0%	22.5
10	7.2	82.5%	22.1				6.4	74.3%	22.8	6.0	69.4%	22.6	6.5	75.3%	22.7			
11	7.3	83.6%	22.1				6.3	73.0%	22.7	6.0	69.4%	22.6	6.2	71.7%	22.6			
12							6.1	70.7%	22.7	5.9	68.3%	22.6	5.9	68.3%	22.6			
13							6.0	69.4%	22.6	5.8	67.0%	22.5	5.7	65.8%	22.5			
14							5.6	64.5%	22.4	5.6	64.5%	22.4	5.6	64.5%	22.4			
15							4.6	52.0%	21.4	5.4	62.2%	22.4	5.6	64.5%	22.4			
16							0.0	0.0%	15.6	5.3	61.0%	22.3	5.6	64.5%	22.4			
17							0.0	0.0%	14.2	3.6	41.2%	22.0	5.5	63.4%	22.4			
18													4.7	53.9%	22.1			
19													3.4	38.7%	21.7			
20													0.0	0.0%	18.1			
21													0.0	0.0%	14.8			
22													0.0	0.0%	13.9			
23													0.0	0.0%	13.2			
24													0.0	0.0%	13.0			
25													0.0	0.0%	12.8			

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 5: July 14, 2004 PM

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole		
	15:38			14:50			14:07			13:34			13:00		
	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)
0	7.3	83.8%	22.2	7.5	86.4%	22.4	7.3	84.9%	22.9	7.6	88.8%	23.1	7.3	84.9%	22.9
1	7.2	82.8%	22.3	7.4	85.3%	22.4	7.3	85.1%	23.0	7.5	87.9%	23.3	7.3	85.1%	23.0
2	7.2	82.8%	22.3	7.4	85.3%	22.4	7.2	83.8%	22.9	7.3	85.4%	23.2	7.3	85.1%	23.0
3	7.1	81.5%	22.2	7.3	84.1%	22.4	7.2	83.8%	22.9	7.3	85.4%	23.2	7.3	85.3%	23.1
4	7.1	81.5%	22.2	7.3	84.1%	22.4	7.2	83.8%	22.9	7.2	84.3%	23.2	7.2	84.1%	23.1
5	7.1	81.5%	22.2	7.3	84.1%	22.4	7.0	81.3%	22.8	6.9	80.6%	23.1	7.2	83.9%	23.0
6	7.1	81.5%	22.2	7.2	83.0%	22.4	7.0	81.3%	22.8	6.6	76.9%	23.0	7.1	82.8%	23.0
7	7.1	81.4%	22.1	7.2	83.0%	22.4	6.9	80.1%	22.8	6.1	70.8%	22.8	7.1	82.8%	23.0
8	7.1	81.4%	22.1	7.2	83.0%	22.4	6.6	76.6%	22.8	6.1	70.7%	22.7	7.0	81.4%	22.9
9	7.1	81.4%	22.1	7.1	81.8%	22.4	6.3	73.0%	22.7	6.0	69.5%	22.7	6.8	79.0%	22.8
10	7.1	81.4%	22.1				6.2	71.9%	22.7	5.8	67.1%	22.6	6.7	77.7%	22.7
11							5.8	67.1%	22.6	5.7	65.9%	22.6	6.3	72.9%	22.6
12							5.3	61.1%	22.4	5.7	65.8%	22.5	6.3	72.9%	22.6
13							5.2	59.9%	22.4	5.7	65.8%	22.5	5.9	68.1%	22.5
14							5.1	58.7%	22.3	5.6	64.7%	22.5	5.9	68.1%	22.5
15							4.7	53.6%	21.9	5.5	63.4%	22.4	5.5	63.4%	22.4
16							0.0	0.0%	15.3	4.9	56.4%	22.3	5.2	59.9%	22.4
17							0.0	0.0%	14.2	3.6	41.2%	22.0	5.2	59.8%	22.3
18													4.4	50.4%	22.1
19													2.9	32.8%	21.5
20													0.0	0.0%	17.0
21													0.0	0.0%	15.2
22													0.0	0.0%	13.9
23													0.0	0.0%	13.2
24													0.0	0.0%	12.9
25													0.0	0.0%	12.7

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 6: July 21, 2004 AM

Time Depth (m)	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole			Duplicate-L Narrows		
	5:15			5:52			6:16			6:50			7:09			6:30		
	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)
0	6.4	74.6%	23.0	6.8	79.9%	23.4	8.2	97.0%	23.8	9.1	108%	24.0	9.3	110%	23.8	8.2	97.0%	23.8
1	6.4	74.7%	23.1	6.7	78.8%	23.5	8.1	96.0%	23.9	9.0	107%	24.0	9.1	108%	23.8	8.2	97.2%	23.9
2	6.4	74.7%	23.1	6.7	78.8%	23.5	8.1	96.0%	23.9	7.3	86.1%	23.6	7.4	87.1%	23.5	8.1	96.0%	23.9
3	6.3	73.6%	23.1	6.6	77.7%	23.5	7.1	83.2%	23.3	6.9	80.9%	23.3	7.0	81.9%	23.2	7.1	83.2%	23.3
4	6.3	73.7%	23.2	6.6	77.7%	23.5	6.9	80.6%	23.1	6.5	75.9%	23.1	6.6	77.1%	23.1	7.0	81.8%	23.1
5	6.4	74.9%	23.2	6.1	71.5%	23.3	6.5	75.6%	22.9	6.4	74.6%	23.0	6.4	74.6%	23.0	6.7	78.0%	22.9
6	6.3	73.7%	23.2	6.0	69.9%	23.0	6.2	71.9%	22.7	6.1	70.8%	22.8	6.3	73.2%	22.8	6.3	73.0%	22.7
7	6.3	73.7%	23.2	5.8	67.5%	22.9	5.8	67.0%	22.5	5.8	67.1%	22.6	6.0	69.5%	22.7	5.8	67.0%	22.5
8	6.3	73.7%	23.2	5.7	66.2%	22.8	5.6	64.7%	22.5	5.7	65.8%	22.5	5.8	67.1%	22.6	5.6	64.7%	22.5
9	6.4	74.9%	23.2	5.7	66.2%	22.8	5.5	63.4%	22.4	5.5	63.4%	22.4	5.8	67.0%	22.5	5.5	63.4%	22.4
10							5.2	59.8%	22.3	5.2	59.7%	22.2	5.7	65.7%	22.4	5.2	59.8%	22.3
11							4.7	54.0%	22.2	5.3	60.8%	22.2	5.4	62.1%	22.3	4.8	55.1%	22.2
12							4.7	53.6%	21.9	5.2	59.6%	22.1	5.3	60.8%	22.2	4.8	55.0%	22.1
13							4.2	47.8%	21.8	5.1	58.3%	22.0	5.5	63.0%	22.1	4.7	53.6%	21.9
14							2.7	30.3%	21.1	5.2	59.5%	22.0	5.3	60.6%	22.0	4.3	49.0%	21.8
15							0.5	5.6%	20.5	5.1	58.2%	21.9	5.0	57.2%	22.0	2.7	30.4%	21.2
16							0.0	0.0%	16.5	4.7	53.5%	21.8	4.9	55.9%	21.9	0.3	3.3%	20.2
17													4.8	54.8%	21.9			
18													4.5	51.3%	21.8			
19													3.6	40.9%	21.6			
20													0.0	0.0%	17.0			
21													0.0	0.0%	14.5			
22													0.0	0.0%	13.5			
23													0.0	0.0%	13.1			
24													0.0	0.0%	12.8			
25													0.0	0.0%	12.6			

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 6: July 21, 2004 PM

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 7: July 28, 2004 AM

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole			uplicate-Turner Bridg		
	5:22			6:07			6:32			6:54			7:09					
Depth (m)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)
0	6.8	78.2%	22.3	6.4	73.8%	22.4	7.1	83.2%	23.3	6.6	77.5%	23.4	6.6	77.5%	23.4	6.7	77.5%	22.6
1	6.7	77.2%	22.4	6.4	73.9%	22.5	7.1	83.6%	23.5	6.6	77.7%	23.5	6.5	76.5%	23.5	6.7	77.5%	22.6
2	6.7	77.4%	22.5	6.4	74.0%	22.6	7.1	83.6%	23.5	6.5	76.5%	23.5	6.5	76.6%	23.6	6.7	77.5%	22.6
3	6.7	77.4%	22.5	6.4	74.0%	22.6	7.0	82.4%	23.5	6.5	76.5%	23.5	6.5	76.6%	23.6	6.7	77.5%	22.6
4	6.7	77.5%	22.6	6.4	74.0%	22.6	7.0	82.5%	23.6	6.6	77.7%	23.5	6.5	76.6%	23.6	6.7	77.5%	22.6
5	6.7	77.5%	22.6	6.4	74.0%	22.6	7.0	82.5%	23.6	6.5	76.6%	23.6	6.5	76.6%	23.6	6.7	77.5%	22.6
6	6.6	76.4%	22.6	6.3	73.0%	22.7	6.9	81.4%	23.6	6.5	76.6%	23.6	6.5	76.6%	23.6	6.7	77.5%	22.6
7	6.6	76.4%	22.6	6.4	74.2%	22.7	6.4	75.3%	23.5	6.5	76.6%	23.6	6.5	76.6%	23.6	6.7	77.5%	22.6
8	6.6	76.4%	22.6	6.4	74.2%	22.7	6.4	75.2%	23.4	6.5	76.6%	23.6	6.5	76.6%	23.6	6.7	77.5%	22.6
9	6.6	76.4%	22.6	6.3	73.0%	22.7	6.9	80.9%	23.3	6.3	74.3%	23.6	6.5	76.6%	23.6	6.7	77.5%	22.6
10	6.6	76.4%	22.6				7.0	82.1%	23.3	5.7	67.1%	23.5	6.5	76.6%	23.6	6.7	77.5%	22.6
11							6.8	79.6%	23.2	5.6	65.9%	23.5	6.5	76.6%	23.6			
12							6.5	76.1%	23.2	5.6	65.9%	23.5	5.9	69.6%	23.6			
13							5.0	58.3%	23.0	5.6	65.9%	23.5	5.8	68.4%	23.6			
14							4.1	47.4%	22.6	4.6	53.9%	23.3	5.5	64.7%	23.5			
15							0.2	2.3%	21.4	4.5	52.8%	23.3	5.2	61.1%	23.4			
16							0.0	0.0%	20.2	4.8	56.2%	23.2	4.9	57.4%	23.3			
17													4.1	47.9%	23.1			
18													2.7	31.2%	22.6			
19													2.2	25.3%	22.3			
20													0.0	0.0%	19.2			
21													0.0	0.0%	15.5			
22													0.0	0.0%	13.9			
23													0.0	0.0%	13.3			
24													0.0	0.0%	12.9			
25													0.0	0.0%	12.7			

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 7: July 28, 2004 PM

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole		
	16:00			15:00			14:21			13:50			13:10		
	Depth (m)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.
0	7.1	82.9%	23.1	7.2	84.6%	23.4	7.6	91.0%	24.4	6.9	82.4%	24.3	7.2	86.3%	24.5
1	6.9	80.3%	22.9	6.7	77.7%	22.7	7.4	87.6%	23.8	6.6	78.1%	23.8	6.6	78.3%	23.9
2	6.8	78.8%	22.7	6.6	76.2%	22.5	7.2	84.9%	23.6	6.5	76.8%	23.7	6.4	75.7%	23.8
3	6.6	76.1%	22.4	6.6	76.2%	22.5	7.2	84.7%	23.5	6.5	76.6%	23.6	6.3	74.4%	23.7
4	6.6	75.8%	22.2	6.5	75.1%	22.5	7.2	84.7%	23.5	6.5	76.6%	23.6	6.3	74.3%	23.6
5	6.6	75.8%	22.2	6.5	75.1%	22.5	7.3	85.7%	23.4	6.5	76.6%	23.6	6.3	74.3%	23.6
6	6.6	75.8%	22.2	6.5	74.9%	22.4	7.2	84.6%	23.4	6.5	76.6%	23.6	6.4	75.5%	23.6
7	6.5	74.6%	22.2	6.5	74.9%	22.4	7.3	85.6%	23.3	6.6	77.8%	23.6	6.6	77.8%	23.6
8	6.5	74.5%	22.1	6.4	73.8%	22.4	7.3	85.6%	23.3	6.3	74.3%	23.6	6.6	77.8%	23.6
9	6.5	74.5%	22.1	6.5	74.9%	22.4	7.2	84.3%	23.2	6.2	73.1%	23.6	6.5	76.6%	23.6
10	6.5	74.5%	22.1				7.0	81.9%	23.2	6.2	73.0%	23.5	6.6	77.8%	23.6
11							6.8	79.4%	23.1	5.8	68.3%	23.5	6.5	76.6%	23.6
12							6.7	78.3%	23.1	5.9	69.4%	23.5	6.3	74.3%	23.6
13							6.0	69.9%	23.0	5.7	67.0%	23.4	6.2	73.0%	23.5
14							3.8	44.0%	22.7	5.5	64.5%	23.3	6.1	71.8%	23.5
15							0.0	0.0%	21.3	4.9	57.3%	23.2	5.9	69.3%	23.4
16							0.0	0.0%	20.3	5.0	58.4%	23.1	4.8	56.2%	23.2
17							0.0	0.0%	17.8	4.0	46.5%	22.9	4.2	49.1%	23.1
18													2.6	30.1%	22.6
19													1.5	17.1%	21.9
20													0.0	0.0%	18.2
21													0.0	0.0%	15.0
22													0.0	0.0%	13.8
23													0.0	0.0%	13.1
24													0.0	0.0%	12.8
25													0.0	0.0%	12.5

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 8: August 4, 2004 AM

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole			Duplicate L Narrows		
	5:30			6:02			6:31			7:09			7:33					
	Depth (m)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.
0	6.3	77.5%	25.9	6.8	83.5%	25.8	8.0	98.1%	25.7	8.3	102%	25.6	8.4	103%	25.8	8.0	98.2%	25.8
1	6.2	76.6%	26.1	6.7	82.6%	26.0	7.9	97.0%	25.8	8.2	101%	25.8	8.4	103%	25.9	7.9	97.0%	25.8
2	6.2	76.8%	26.3	6.7	82.6%	26.0	7.9	97.0%	25.8	8.2	101%	25.8	8.3	102%	25.9	7.9	97.0%	25.8
3	6.2	76.7%	26.2	6.6	81.3%	26.0	7.7	94.6%	25.8	8.2	101%	25.8	8.1	99.7%	25.9	7.7	94.6%	25.8
4	6.2	76.7%	26.2	6.5	80.1%	26.0	7.1	86.4%	25.3	7.0	85.2%	25.3	7.7	94.4%	25.7	7.1	86.2%	25.2
5	6.1	75.3%	26.1	6.6	81.2%	25.9	7.0	84.7%	25.0	7.0	84.7%	25.0	7.3	88.5%	25.1	6.9	83.3%	24.9
6	6.0	73.7%	25.8	6.4	78.7%	25.9	6.8	82.0%	24.8	6.5	78.4%	24.8	7.1	85.8%	24.9	6.9	83.2%	24.8
7	5.9	72.2%	25.6	6.2	76.3%	25.9	6.6	79.4%	24.7	6.5	78.2%	24.7	6.8	82.0%	24.8	6.5	78.1%	24.6
8	5.8	71.0%	25.6	6.1	75.0%	25.9	6.3	75.4%	24.4	6.3	75.5%	24.5	6.5	78.2%	24.7	6.3	75.4%	24.4
9	5.8	70.8%	25.5	5.8	70.8%	25.5	6.0	71.3%	24.0	6.3	75.3%	24.3	6.4	76.6%	24.4	5.9	70.1%	24.0
10							5.7	67.3%	23.7	6.0	71.5%	24.2	6.1	72.9%	24.3	5.7	67.5%	23.8
11							5.5	64.8%	23.6	5.9	70.0%	23.9	5.8	68.9%	24.0	5.5	64.8%	23.6
12							4.8	56.3%	23.3	5.8	68.5%	23.7	5.6	66.1%	23.7	4.8	56.3%	23.3
13							4.8	55.8%	22.9	5.4	63.7%	23.6	5.6	66.0%	23.6	4.9	57.0%	22.9
14							4.3	49.8%	22.7	4.9	57.4%	23.3	5.4	63.3%	23.3	4.3	49.8%	22.7
15							3.3	38.0%	22.4	5.1	59.6%	23.1	5.3	62.0%	23.2	3.3	38.0%	22.4
16							2.0	22.9%	22.0	4.4	51.0%	22.7	5.0	58.3%	23.0	1.6	18.3%	21.9
17													4.8	55.7%	22.8			
18													4.4	51.0%	22.7			
19													3.8	43.9%	22.5			
20													0.0	0.0%	19.4			
21													0.0	0.0%	15.4			
22													0.0	0.0%	14.0			
23													0.0	0.0%	13.1			
24													0.0	0.0%	12.7			
25													0.0	0.0%	12.6			

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 8: August 4, 2004 PM

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole		
	15:24			14:35			13:53			13:25			13:00		
	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)
0	6.8	85.3%	27.0	7.2	91.2%	27.5	8.4	105.6%	27.1	9.3	116.9%	27.1	9.4	118.2%	27.1
1	6.4	79.9%	26.7	7.0	88.0%	27.1	8.3	103.4%	26.6	8.8	109.6%	26.6	9.1	113.8%	26.8
2	6.3	78.6%	26.7	6.6	81.9%	26.4	7.9	97.7%	26.2	8.3	102.5%	26.1	9.0	112.1%	26.6
3	6.2	77.2%	26.6	6.5	80.4%	26.2	7.4	90.7%	25.7	7.9	97.2%	25.9	7.8	95.8%	25.8
4	6.0	74.2%	26.2	6.4	79.2%	26.2	6.8	82.4%	25.1	7.4	90.4%	25.5	7.3	89.0%	25.4
5	5.9	72.8%	26.1	6.4	79.0%	26.1	6.7	80.8%	24.8	6.7	81.2%	25.1	7.2	87.6%	25.3
6	5.9	72.8%	26.1	6.4	79.0%	26.1	6.5	78.2%	24.7	6.9	83.5%	25.0	7.1	86.1%	25.1
7	5.9	72.7%	26.0	6.2	76.4%	26.0	6.2	74.3%	24.5	6.7	80.8%	24.8	7.0	84.7%	25.0
8	5.8	71.5%	26.0	6.1	75.0%	25.9	6.0	71.8%	24.4	6.5	78.2%	24.7	6.3	76.1%	24.9
9	5.8	71.5%	26.0	5.6	68.4%	25.5	5.8	69.2%	24.2	6.1	73.1%	24.5	6.4	76.9%	24.6
10							5.6	66.5%	24.0	6.1	73.0%	24.4	6.0	72.1%	24.6
11							5.6	66.1%	23.7	5.9	70.5%	24.3	5.7	68.1%	24.3
12							4.3	50.5%	23.4	5.7	67.6%	23.9	5.8	68.9%	24.0
13							4.4	51.2%	22.9	4.8	56.7%	23.7	5.7	67.3%	23.7
14							3.8	44.0%	22.6	4.5	52.9%	23.4	5.3	62.3%	23.4
15							3.4	39.3%	22.5	4.8	56.3%	23.3	5.2	60.8%	23.2
16							0.8	9.1%	21.7	4.8	55.8%	22.9	4.8	56.0%	23.0
17													4.4	51.2%	22.9
18													4.0	46.4%	22.7
19													3.6	41.6%	22.6
20													0.0	0.0%	20.1
21													0.0	0.0%	15.4
22													0.0	0.0%	14.0
23													0.0	0.0%	13.1
24													0.0	0.0%	12.7
25													0.0	0.0%	12.5

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 9: August 11, 2004 AM

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 9: August 11, 2004 PM

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 10: August 18, 2004 AM

Note: Oxygen Diffuser off. Sampling delayed due to thick fog.

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 10: August 18, 2004 PM

Note: Oxygen Diffuser off.

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 11: August 25th, 2004

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 11: August 25th, 2004

Gulf Island Pond
Dissolved Oxygen and Temperature Profiles
Summer 2004

Week 12: September 1, 2004 AM

Time	Turner Bridge			Upper Narrows			GIP 3			Lower Narrows			GIP 4			Deep Hole			Duplicate (GIP 3)			
	6:45			7:30			7:50			8:10			8:35			8:50						
Depth (m)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	
0	7.3	85.6%	23.3	7.3	85.4%	23.2	7.9	92.4%	23.2	7.9	92.6%	23.3	8.0	93.6%	23.2	8.1	95.0%	23.3	7.8	91.6%	23.4	
1	7.2	84.7%	23.5	7.2	84.4%	23.3	7.8	91.6%	23.4	7.8	91.6%	23.4	8.0	93.6%	23.2	8.1	95.1%	23.4	7.8	91.8%	23.5	
2	7.2	84.9%	23.6	7.1	83.4%	23.4	7.7	90.4%	23.4	7.8	91.8%	23.5	7.9	92.4%	23.2	8.0	94.0%	23.4	7.8	91.8%	23.5	
3	7.2	85.0%	23.7	7.2	84.7%	23.5	7.7	90.4%	23.4	7.8	91.8%	23.5	7.9	92.6%	23.3	8.0	94.0%	23.4	7.7	90.6%	23.5	
4	7.2	85.0%	23.7	7.1	83.6%	23.5	7.8	91.8%	23.5	7.7	90.4%	23.4	7.9	92.6%	23.3	8.0	94.0%	23.4	7.7	90.6%	23.5	
5	7.2	85.0%	23.7	7.1	83.6%	23.5	7.6	89.4%	23.5	7.5	87.9%	23.3	7.9	92.6%	23.3	8.0	94.0%	23.4	7.6	89.4%	23.5	
6	7.2	85.0%	23.7	7.1	83.4%	23.4	7.5	88.1%	23.4	7.4	86.6%	23.2	7.8	91.4%	23.3	7.9	92.8%	23.4	7.5	88.1%	23.4	
7	7.1	83.9%	23.7	7.0	82.2%	23.4				7.3	85.3%	23.1	7.8	91.4%	23.3	7.9	92.8%	23.4				
8	7.2	85.0%	23.7	7.0	82.2%	23.4				7.1	82.1%	22.6	7.8	91.4%	23.3	7.2	83.9%	23.0				
9	7.2	85.0%	23.7	6.9	80.9%	23.3				6.7	77.4%	22.5	7.0	81.4%	22.9	7.0	81.0%	22.6				
10										6.5	74.3%	22.0	6.5	74.8%	22.3	6.6	76.1%	22.4				
11										6.3	71.8%	21.8	6.6	75.6%	22.1	6.7	76.8%	22.1				
12										6.4	72.8%	21.7	6.4	73.2%	22.0	6.6	75.5%	22.0				
13										5.9	66.8%	21.5	6.3	71.9%	21.9	6.3	71.8%	21.8				
14										5.5	62.2%	21.4	6.1	69.5%	21.8	6.3	71.6%	21.7				
15										5.6	63.2%	21.3	6.0	68.0%	21.5	6.2	70.4%	21.6				
16										5.0	56.3%	21.2	6.0	67.8%	21.4	6.1	69.1%	21.5				
17												5.8	65.4%	21.3				5.9	66.7%	21.4		
18																		5.9	66.7%	21.4		
19																		5.7	64.4%	21.4		
20																		5.3	59.8%	21.3		
21																		4.7	52.9%	21.2		
22																		3.4	38.1%	21.0		
23																		1.4	15.6%	20.7		
24																		0.0	0.0%	19.8		
25																		0.0	0.0%	16.4		

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 12: September 1, 2004 PM

Gulf Island Pond
Dissolved Oxygen and Temperature Profiles
Summer 2004

Week 13: September 8, 2004 AM

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole			Duplicate U Narrows		
	6:06			6:37			7:30			8:00			8:15					
Depth (m)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)
0	8.2	91.6%	20.8	8.1	90.3%	20.7	7.3	83.6%	22.1	7.2	82.7%	22.2	7.0	80.2%	22.1	8.0	89.4%	20.8
1	8.1	90.5%	20.8	8.0	89.4%	20.8	7.2	82.5%	22.1	7.1	81.5%	22.2	6.9	79.1%	22.1	8.0	89.4%	20.8
2	8.0	89.4%	20.8	8.0	89.4%	20.8	7.2	82.5%	22.1	7.1	81.5%	22.2	6.9	79.1%	22.1	8.0	89.4%	20.8
3	8.1	90.5%	20.8	8.0	89.4%	20.8	7.2	82.5%	22.1	7.1	81.4%	22.1	7.0	80.1%	22.0	8.0	89.4%	20.8
4	8.1	90.5%	20.8	8.0	89.4%	20.8	7.3	83.5%	22.0	7.1	81.4%	22.1	7.0	80.1%	22.0	8.0	89.4%	20.8
5	8.1	90.3%	20.7	7.9	88.3%	20.8	7.3	83.5%	22.0	7.1	81.2%	22.0	7.0	80.1%	22.0	7.9	88.3%	20.8
6	8.1	90.3%	20.7	7.9	88.3%	20.8	7.6	86.4%	21.7	7.1	81.2%	22.0	7.0	79.7%	21.8	7.9	88.3%	20.8
7	8.1	90.3%	20.7	7.9	88.3%	20.8	7.8	88.2%	21.4	7.0	80.1%	22.0	7.2	81.9%	21.7	7.9	88.1%	20.7
8	8.1	90.3%	20.7	7.9	88.1%	20.7	7.8	88.0%	21.3	7.0	79.7%	21.8	7.1	80.6%	21.6	7.9	88.1%	20.7
9	8.1	90.3%	20.7	7.9	88.1%	20.7	7.8	88.0%	21.3	7.2	81.6%	21.5	7.2	81.6%	21.5	7.9	88.1%	20.7
10	8.1	90.3%	20.7	7.9	88.3%	20.8	7.9	89.0%	21.2	7.3	82.5%	21.4	7.2	81.6%	21.5	7.9	88.1%	20.7
11	8.1	90.3%	20.7				7.9	89.0%	21.2	7.4	83.5%	21.3	7.4	83.8%	21.5			
12							7.9	89.0%	21.2	7.5	84.6%	21.3	7.4	83.7%	21.4			
13							8.0	89.7%	21.0	7.5	84.5%	21.2	7.3	82.5%	21.4			
14							8.0	89.7%	21.0	7.4	83.3%	21.2	7.4	83.7%	21.4			
15							8.1	90.7%	20.9	7.6	85.6%	21.2	7.4	83.5%	21.3			
16							8.1	90.7%	20.9	7.6	85.6%	21.2	7.3	82.4%	21.3			
17									7.4	83.3%	21.2	7.3	82.4%	21.3				
18													7.3	82.2%	21.2			
19													7.4	83.3%	21.2			
20													7.3	82.2%	21.2			
21													7.3	82.2%	21.2			
22													7.3	82.2%	21.2			
23													7.3	82.2%	21.2			
24													7.3	82.2%	21.2			
25													7.3	82.2%	21.2			
													2.5	26.7%	18.6			

Gulf Island Pond

Dissolved Oxygen and Temperature Profiles

Summer 2004

Week 13: Date 9/8/04

Time	Turner Bridge			Upper Narrows			Lower Narrows			GIP 4			Deep Hole		
	15:00			14:15			13:45			13:25			13:00		
	Depth (m)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.	Temp. (oC)	DO (mg/L)	DO % Sat.
0	8.1	90.3%	20.7	8.0	89.6%	20.9	7.4	84.6%	22.0	7.2	82.3%	22.0	7.3	84.0%	22.3
1	8.1	90.5%	20.8	7.9	88.4%	20.9	7.3	83.6%	22.1	7.1	81.4%	22.1	7.2	82.8%	22.3
2	8.1	90.5%	20.8	7.9	88.3%	20.8	7.3	83.6%	22.1	7.0	80.2%	22.1	7.1	81.7%	22.3
3	8.1	90.5%	20.8	7.9	88.3%	20.8	7.3	83.6%	22.1	7.0	80.1%	22.0	7.0	80.4%	22.2
4	8.0	89.4%	20.8	7.8	87.0%	20.7	7.2	82.5%	22.1	7.1	81.2%	22.0	7.0	80.4%	22.2
5	8.0	89.4%	20.8	7.8	87.0%	20.7	7.3	83.5%	22.0	7.1	81.0%	21.9	6.9	79.1%	22.1
6	8.0	89.4%	20.8	7.8	87.0%	20.7	7.4	84.6%	22.0	7.1	81.0%	21.9	7.1	81.0%	21.9
7	8.0	89.4%	20.8	7.8	87.0%	20.7	7.6	86.4%	21.7	7.0	79.6%	21.7	7.0	79.7%	21.8
8	7.9	88.3%	20.8	7.8	87.0%	20.7	7.6	85.9%	21.4	7.3	82.7%	21.5	6.8	77.3%	21.7
9	7.9	88.1%	20.7	7.8	87.0%	20.7	7.6	85.7%	21.3	7.5	84.8%	21.4	6.8	77.2%	21.6
10	7.9	88.1%	20.7	7.7	85.9%	20.7	7.8	88.0%	21.3	7.5	84.6%	21.3	7.0	79.4%	21.6
11	7.9	88.1%	20.7				7.7	86.7%	21.2	7.4	83.5%	21.3	7.0	79.3%	21.5
12							7.9	89.0%	21.2	7.5	84.6%	21.3	7.0	79.3%	21.5
13							7.9	89.0%	21.2	7.5	84.5%	21.2	7.1	80.3%	21.4
14							8.0	89.7%	21.0	7.5	84.5%	21.2	7.2	81.4%	21.4
15							7.9	88.6%	21.0	7.5	84.3%	21.1	7.4	83.5%	21.3
16							8.0	89.6%	20.9	7.6	85.4%	21.1	7.3	82.4%	21.3
17							8.0	89.6%	20.9	7.4	83.2%	21.1	7.3	82.4%	21.3
18													7.3	82.4%	21.3
19													7.3	82.2%	21.2
20													7.3	82.2%	21.2
21													7.3	82.2%	21.2
22													7.2	81.1%	21.2
23													7.2	81.1%	21.2
24													7.1	80.0%	21.2
25													7.0	78.8%	21.2

Gulf Island Pond
Secchi Disk Measurements
Summer 2004

Week	Date	Turner Bridge		Upper Narrows		Lower Narrows		GIP4		Deep Hole		Duplicate		
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	Location	AM/PM	Secchi
1	6/16/2004	2.21	2.00	2.35	1.91	2.11	1.64	2.29	1.70	2.35	2.00	Turner Bridge	AM	2.0
2	6/23/2004	2.00	1.50	2.00	1.50	2.16	1.62	2.50	2.00	2.67	2.50	GIP 4	AM	2.6
3	6/30/2004	2.00	1.61	1.84	1.50	3.10	2.26	3.16	2.21	3.40	2.21	Upper Narrows	PM	1.5
4	7/7/2004	1.90	2.00	1.90	1.60	2.50	2.00	2.70	1.80	3.00	2.00	Lower Narrows	AM	2.5
5	7/14/2004	2.00	2.20	2.00	2.20	2.10	2.00	2.10	2.10	2.30	2.00	Upper Narrows	AM	
6	7/21/2004	2.00	2.50	2.50	2.40	2.00	2.30	2.50	2.70	2.50	2.20	Lower Narrows	AM	2.0
7	7/28/2004	1.80	2.30	2.00	2.00	2.20	2.10	2.00	2.10	2.40	2.00	Turner Bridge	AM	1.8
8	8/4/2004	2.00	2.40	2.10	2.00	1.70	1.60	1.90	1.90	1.90	1.50	Lower Narrows	AM	1.8
9	8/11/2004	1.80	2.50	2.40	2.40	1.90	1.90	2.00	1.80	1.90	2.00	Upper Narrows	PM	2.4
10	8/18/2004	2.80	2.30	2.40	2.10	2.20	1.90	2.30	2.20	2.10	2.00	Turner Bridge	AM	2.8
11	8/25/2004	2.00	2.50	2.50	2.50	2.40	2.10	2.40	2.00	2.30	2.00	Turner Bridge	AM	2
12	9/1/2004	2.30	2.60	2.50	2.50	2.50	2.40	2.30	2.50	2.10	2.40	GIP 3	AM	2.5
13	9/8/2004	1.70	1.60	2.50	2.10	2.20	2.00	2.50	2.00	2.00	2.30	Upper Narrows	PM	2.6